

**In the Specification:**

Please add the following paragraphs in the specification:

[0051] In a preferred embodiment of the present invention, there is minimal interference with digestion and absorption of an intermediary metabolite, an analogue or derivative of an intermediary metabolite, a lipid, conjugated biomolecule, polar lipid, glycolipid, lipoprotein, apolipoprotein, cytokine, hormone, monosaccharide ceramide, glucosylceramide, galactosylceramide, glucocerebroside, glucocerebroside analogue or derivative, sphingosine, sphingolipid, ceramide, T cell ligand, T cell receptor ligand, a T cell receptor ligand analogue or derivative, or a glycoprotein other than an antibody, in the mammalian subject. Specifically, the mammalian subject has been without food and/or water for a certain amount of hours prior to the administration of the aforesaid molecules, the treatment of the mammalian subject or the manipulation of cells in the mammalian subject.

[0054] Glucocerebroside (Glucosylceramide or Glucosylcerebroside) was purchased from Avanti Polar Lipids, Inc.